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#### **Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application.

#### **Listing of Claims:**

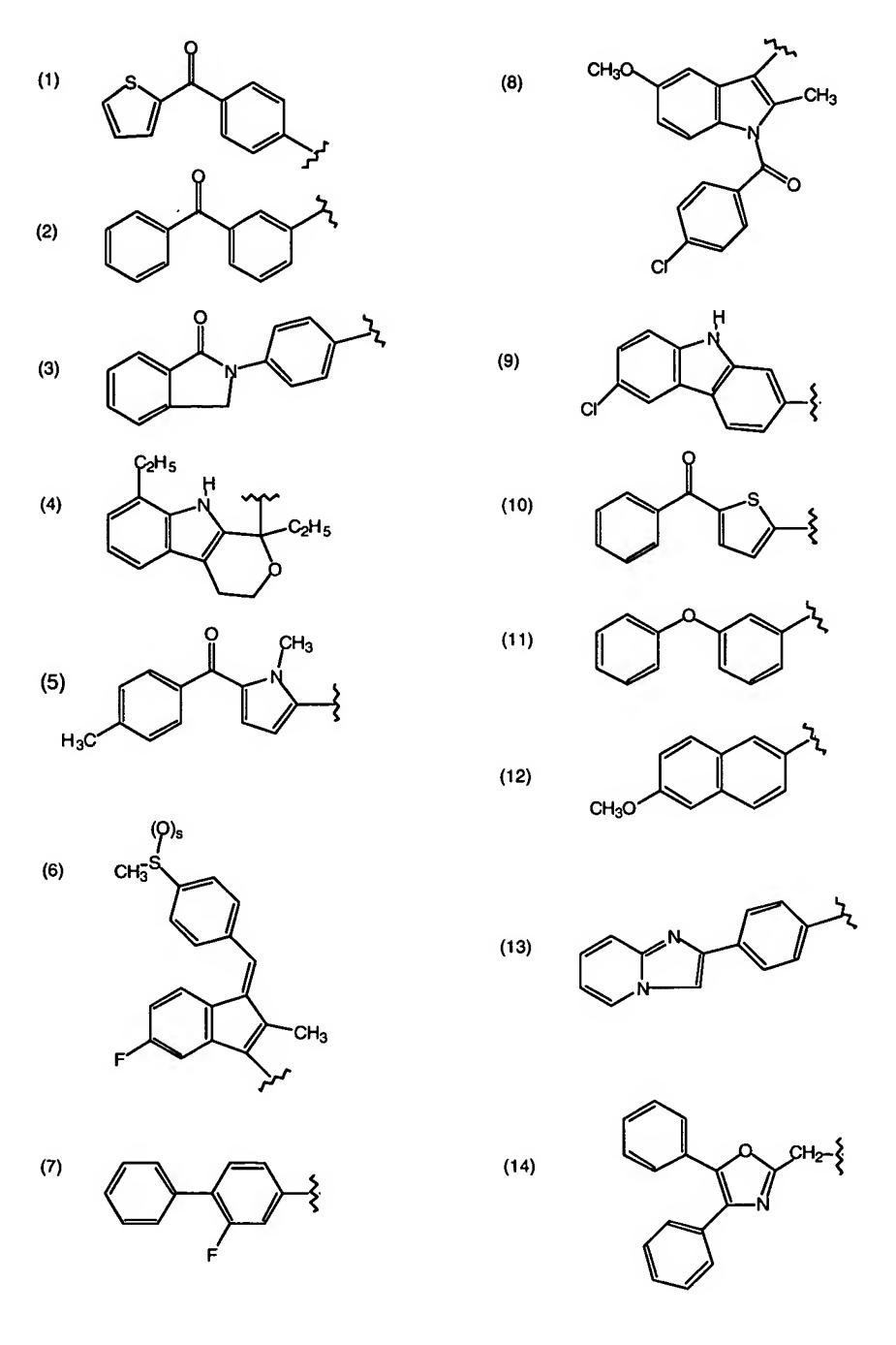
1. (Currently Amended) A compound of Formula (I), or a pharmaceutically acceptable salt thereof;

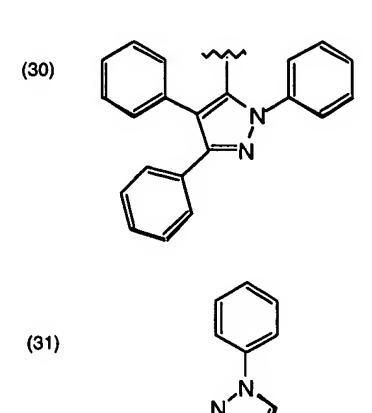
wherein the compound of Formula (I) is:

wherein:

R<sub>m</sub> is a hydrogen or a lower alkyl group;

R<sub>n</sub> is:





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s is an integer of 0 or 1;

X is:

$$(1) - Y - (CR_4R_4')_p - V - B - T - (CR_4R_4')_p - ONO_2;$$

$$(2) - Y - (CR_4R_4')_p - T - C(O) - (CR_4R_4')_o - (CH_2) - ONO_2;$$

$$(3) - Y - (CR_4R_4')_p - T - (CH_2)_q - V - (CR_4R_4')_q - (CH_2) - ONO_2;$$

$$(4) - Y - (CR_4R_4')_p - V - (CH_2)_q - V - (CR_4R_4')_q - (CH_2) - ONO_2;$$

$$(5) - Y - (CR_4R_4')_0 - (W)_0 - (CR_4R_4')_0 - (CH_2) - ONO_2;$$

$$(6) - Y - (CR_4R_4')_p - V - (CH_2)_o - (W)_q - (CR_4R_4')_q - (CH_2) - ONO_2;$$

$$(6)$$
  $(7)$  -Y- $(CR_4R_4')_p$ - $(W)_q$ - $(T)_o$ - $(CR_4R_4')_o$ - $(CH_2)$ - $ONO_2$ ;

$$(7)$$
 (8) -Y-(CR<sub>4</sub>R<sub>4</sub>')<sub>q</sub>-C(Z)-V-(CR<sub>4</sub>R<sub>4</sub>')<sub>q</sub>-(CH<sub>2</sub>)-ONO<sub>2</sub>;

$$\frac{(8)}{(9)} - Y - (CR_4R_4')_p - V - (CR_4R_4')_p - (CH_2) - ONO_2; or$$

$$\frac{(9)}{(10)}$$
 -Y-(CR<sub>4</sub>R<sub>4</sub>')<sub>p</sub>-V-(CH<sub>2</sub>)<sub>q</sub>-(T)<sub>o</sub>-(CR<sub>4</sub>R<sub>4</sub>')<sub>q</sub>-(CH<sub>2</sub>)-ONO<sub>2</sub>;

R<sub>4</sub> and R<sub>4</sub>' at each occurrence are independently a hydrogen, lower alkyl group, -OH, -CH<sub>2</sub>OH, -ONO<sub>2</sub>, -NO<sub>2</sub> or -CH<sub>2</sub>ONO<sub>2</sub>; or R<sub>4</sub> and R<sub>4</sub>' taken together with the carbon atom to which they are attached are a cycloalkyl group or a heterocyclic ring;

W is a covalent bond or a carbonyl group;

T at each occurrence is independently an oxygen, (S(O)<sub>o</sub>)<sub>o</sub> or NR<sub>i</sub>;

R<sub>j</sub> is a hydrogen, an alkyl group, an aryl group, a heterocyclic ring, an alkylcarbonyl group, an alkylaryl group, an alkylsulfinyl group, an alkylsulfinyl group, an arylsulfinyl group, an arylsulfonyl group, a sulfonamido group, a N-alkylsulfonamido group, a N,N-diarylsulfonamido group, a N-arylsulfonamido group, a N-alkyl-N-arylsulfonamido group, a carboxamido group or a hydroxyl group;

p at each occurrence is independently an integer from 1 to 6;

q at each occurrence is independently an integer from 1 to 3;

o at each occurrence is independently an integer from 0 to 2;

Y is oxygen or sulfur (-S-);

B is either phenyl or  $(CH_2)_0$ ;

Q' is a cycloalkyl group, a heterocyclic ring or an aryl group;

Z is (=0), (=N-OR<sub>5</sub>), (=N-NR<sub>5</sub>R'<sub>5</sub>) or (=CR<sub>5</sub>R'<sub>5</sub>);

M and M' are each independently -O H<sub>3</sub>N<sup>+</sup>-(CR<sub>4</sub>R'<sub>4</sub>)<sub>q</sub>-CH<sub>2</sub>ONO<sub>2</sub> or -T- $(CR_4R'_4)_0$ - $CH_2ONO_2$ ;

R<sub>5</sub> and R<sub>5</sub>' at each occurrence are independently a hydrogen, a hydroxyl group, an alkyl group, an aryl group, an alkylsulfonyl group, an arylsulfonyl group, a carboxylic ester, an alkylcarbonyl group, an arylcarbonyl group, a carboxamido group, an alkoxyalkyl group, an alkoxyaryl group, a cycloalkyl group or a heterocyclic ring; and

with the proviso that for X in the compounds of Formulas (I):

when Y is oxygen or sulfur in Formula 5, and W is a covalent bond, at least one R<sub>4</sub> or R<sub>4</sub>' must be -OH, -ONO<sub>2</sub>, -NO<sub>2</sub> or -CH<sub>2</sub>ONO<sub>2</sub> or R<sub>4</sub> and R<sub>4</sub>' taken together with the carbon atom to which they are attached are a cycloalkyl group or a heterocyclic ring;

when Y is oxygen or sulfur in Formula 6 7, T is  $-N(CH_3)$ , W is a covalent bond and  $R_4$ and  $R_4$  are hydrogen, p cannot be the integer 2, and o cannot be the integer 1 in -( $CR_4R_4$ )<sub>o</sub>;

when Y is oxygen or sulfur in Formula 67, W is a covalent bond, T is oxygen and o is the integer 1, at least one R<sub>4</sub> or R<sub>4</sub>' must be -OH, -NO<sub>2</sub> or -CH<sub>2</sub>ONO<sub>2</sub> or R<sub>4</sub> and R<sub>4</sub>' taken together with the carbon atom to which they are attached are a cycloalkyl group or a heterocyclic ring.

2. (Original) A composition comprising the compound of claim 1 and a pharmaceutically acceptable carrier.

The compound of claim 1, wherein X is: 3. (Currently Amended)

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# <del>(10)</del> <u>(11)</u>

$$\begin{array}{c|c}
R_6 \\
\hline
\\
R_0 \\
\hline
\\
NO_2
\end{array}$$

## <del>(12)</del> <u>(13)</u>

#### <del>(14)</del> <u>(15)</u>

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# <del>(9)</del> <u>(10)</u>

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# <del>(15)</del> <u>(16)</u>

#### <del>(17)</del> <u>(18)</u>

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 $\frac{(18)}{(19)}$ 

wherein:

Y' is oxygen or sulfur;

T' is oxygen, sulfur or NR<sub>6</sub>;

 $X_5$  is oxygen,  $(S(O)_0)_0$  or  $NR_6$ ;

R<sub>6</sub> is a hydrogen, a lower alkyl group, an aryl group;

R<sub>7</sub> is a lower alkyl group or an aryl group;

R<sub>8</sub> at each occurrence is independently is a hydrogen, a hydroxyl group, a lower alkyl group, an aryl group, NO<sub>2</sub>, CH<sub>2</sub>-ONO<sub>2</sub> or -CH<sub>2</sub>-OH;

n' and m' are each independently an integer from 0 to 10; and o is as defined herein.

4. (Currently Amended) The compound of claim 1, wherein the compound of Formula (I) is a nitrosated acemetacin, a nitrosated aceclofenac, a nitrosated alminoprofen, a nitrosated amfenac, a nitrosated bendazac, a nitrosated benoxaprofen, a nitrosated bromfenac, a nitrosated bucloxic acid, a nitrosated butibufen, a nitrosated carprofen, a nitrosated cinmetacin, a nitrosated clopirac, a nitrosated diclofenac, a nitrosated etodolac, a nitrosated felbinac, a nitrosated fenclozic acid, a nitrosated fenbufen, a nitrosated fenoprofen, a nitrosated fentiazac, a nitrosated flunoxaprofen, a nitrosated flurbiprofen, a nitrosated ibufenac, a nitrosated ibuprofen, a nitrosated indomethacin, a nitrosated isofezolac, a nitrosated isoxepac, a nitrosated indoprofen, a nitrosated ketoprofen, a nitrosated lonazolac, a nitrosated loxoprofen, a nitrosated metiazinic acid, a nitrosated mofezolac, a nitrosated miroprofen, a nitrosated naproxen, a nitrosated oxaprozin, a nitrosated pirozolac, a nitrosated pirprofen, a nitrosated suprofen, a ni

nitrosated ximoprofen, a nitrosated zaltoprofen a nitrosated zomepirac; the compound of Formula II is a nitrosated aspirin, a nitrosated acemetcin, a nitrosated bumadizon, a nitrosated carprofenac, a nitrosated clidanac, a nitrosated diflunisal, a nitrosated enfenamic acid, a nitrosated fendosal, a nitrosated flufenamic acid, a nitrosated flunixin, a nitrosated gentisic acid, a nitrosated ketorolac, a nitrosated meclofenamic acid, a nitrosated mefenamic acid, a nitrosated mesalamine, a nitrosated niflumic acid, a nitrosated salsalate, a nitrosated tolfenamic acid or a nitrosated tropensin substituted with at least one –NO<sub>2</sub> group.

- 5. (Original) A method for treating or reducing inflammation, pain or fever in a patient in need thereof comprising administering to the patient a therapeutically effective amount of the composition of claim 2.
- 6. (Original) A method for treating a gastrointestinal disorder in a patient in need thereof comprising administering to the patient a therapeutically effective amount of the composition of claim 2.
- 7. (Original) The method of claim 6, wherein the gastrointestinal disorder is an inflammatory bowel disease, Crohn's disease, gastritis, irritable bowel syndrome, constipation, ulcerative colitis, a peptic ulcer, a stress ulcer, a bleeding ulcer, gastric hyperacidity, dyspepsia, gastroparesis, Zollinger-Ellison syndrome, gastroesophageal reflux disease, a bacterial infection, short-bowel (anastomosis) syndrome, or a hypersecretory state associated with systemic mastocytosis or basophilic leukemia and hyperhistaminemia.
- 8. (Original) A method for facilitating wound healing in a patient in need thereof comprising administering to the patient a therapeutically effective amount of the composition of claim 2.
  - 9. (Original) The method of claim 8, wherein the wound is an ulcer.
- 10. (Original) A method for treating or reversing gastrointestinal, renal and/or respiratory toxicity in a patient in need thereof comprising administering to the patient a therapeutically effective amount of the composition of claim 2.
- 11. (Original) A method for treating an inflammatory disease in patient in need thereof comprising administering to the patient a therapeutically effective amount of the composition of claim 2.
- 12. (Original) The method of claim 11, wherein the inflammatory disease is a cardiovascular disorder, reperfusion injury to an ischemic organ, angiogenisis, arthritis, asthma,

bronchitis, premature labor, tendinitis, bursitis, an autoimmune disease, an immunological disorder, a skin-related condition, neoplasia, an inflammatory process in a disease, pulmonary inflammation, a central nervous system disorder, allergic rhinitis, respiratory distress syndrome, endotoxin shock syndrome, a microbial infection, a bacterial-induced inflammation, a viral induced inflammation, a urinary disorder, a urological disorder, endothelial dysfunction, organ deterioration, tissue deterioration, a sexual dysfunction or activation, adhesion and infiltration of neutrophils at the site of inflammation.

- 13. (Original) The method of claim 12, wherein the neoplasia is a brain cancer, a bone cancer, an epithelial cell-derived neoplasia (epithelial carcinoma), a basal cell carcinoma, an adenocarcinoma, a gastrointestinal cancer, a lip cancer, a mouth cancer, an esophageal cancer, a small bowel cancer, a stomach cancer, a colon cancer, a liver cancer, a bladder cancer, a pancreas cancer, an ovary cancer, a cervical cancer, a lung cancer, a breast cancer, a skin cancer, a squamous cell cancer, a basal cell cancer, a prostate cancer, a renal cell carcinoma, a cancerous tumor, a growth, a polyp, an adenomatous polyp, a familial adenomatous polyposis or a fibrosis resulting from radiation therapy.
- 14. (Original) The method of claim 12, wherein the central nervous system disorder is cortical dementia, Alzheimer's disease, vascular dementia, multi-infarct dementia, pre-senile dementia, alcoholic dementia, senile dementia, memory loss or central nervous system damage resulting from stroke, ischemia or trauma.
- 15. (Original) A method for treating an ophthalmic disorder in a patient in need thereof comprising administering to the patient a therapeutically effective amount of the composition of claim 2.
- 16. (Original) The composition of claim 2, further comprising at least one therapeutic agent.
- 17. (Original) The composition of claim 16, wherein the therapeutic agent is a steroid, a nonsteroidal antiinflammatory compound, a cyclooxygenase inhibitor, a 5-lipoxygenase (5-LO) inhibitor, a leukotriene B<sub>4</sub> receptor antagonist, a leukotriene A<sub>4</sub> hydrolase inhibitor, a 5-HT agonist, a 3-hydroxy-3-methylglutaryl coenzyme A inhibitor, a H<sub>2</sub> antagonist, an antineoplastic agent, an antiplatelet agent, a thrombin inhibitor, a thromboxane inhibitor, a decongestant, a diuretic, a sedating or non-sedating anti-histamine, an inducible nitric oxide synthase inhibitor,

an opioid, an analgesic, a *Helicobacter pylori* inhibitor, a proton pump inhibitor, an isoprostane inhibitor, or a mixture of two or more thereof.

- 18. (Original) A method for treating or reducing inflammation, pain or fever in a patient in need thereof comprising administering to the patient a therapeutically effective amount of the composition of claim 16.
- 19. (Original) A method for treating a gastrointestinal disorder in a patient in need thereof comprising administering to the patient a therapeutically effective amount of the composition of claim 16.
- 20. (Original) The method of claim 19, wherein the gastrointestinal disorder is an inflammatory bowel disease, Crohn's disease, gastritis, irritable bowel syndrome, constipation, ulcerative colitis, a peptic ulcer, a stress ulcer, a bleeding ulcer, gastric hyperacidity, dyspepsia, gastroparesis, Zollinger-Ellison syndrome, gastroesophageal reflux disease, a bacterial infection, short-bowel (anastomosis) syndrome, or a hypersecretory state associated with systemic mastocytosis or basophilic leukemia and hyperhistaminemia.
- 21. (Original) A method for facilitating wound healing in a patient in need thereof comprising administering to the patient a therapeutically effective amount of the composition of claim 16.
  - 22. (Original) The method of claim 21, wherein the wound is an ulcer.
- 23. (Original) A method for treating or reversing gastrointestinal, renal and/or respiratory toxicity in a patient in need thereof comprising administering to the patient a therapeutically effective amount of the composition of claim 16.
- 24. (Original) A method for treating an inflammatory disease in patient in need thereof comprising administering to the patient a therapeutically effective amount of the composition of claim 16.
- 25. (Original) The method of claim 24, wherein the inflammatory disease is a cardiovascular disorder, reperfusion injury to an ischemic organ, angiogenisis, arthritis, asthma, bronchitis, premature labor, tendinitis, bursitis, an autoimmune disease, an immunological disorder, a skin-related condition, neoplasia, an inflammatory process in a disease, pulmonary inflammation, a central nervous system disorder, allergic rhinitis, respiratory distress syndrome, endotoxin shock syndrome, a microbial infection, a bacterial-induced inflammation, a viral induced inflammation, a urinary disorder, a urological disorder, endothelial dysfunction, organ

deterioration, tissue deterioration, a sexual dysfunction or activation, adhesion and infiltration of neutrophils at the site of inflammation.

- 26. (Original) The method of claim 25, wherein the neoplasia is a brain cancer, a bone cancer, an epithelial cell-derived neoplasia (epithelial carcinoma), a basal cell carcinoma, an adenocarcinoma, a gastrointestinal cancer, a lip cancer, a mouth cancer, an esophageal cancer, a small bowel cancer, a stomach cancer, a colon cancer, a liver cancer, a bladder cancer, a pancreas cancer, an ovary cancer, a cervical cancer, a lung cancer, a breast cancer, a skin cancer, a squamus cell cancer, a basal cell cancer, a prostate cancer, a renal cell carcinoma, a cancerous tumor, a growth, a polyp, an adenomatous polyp, a familial adenomatous polyposis or a fibrosis resulting from radiation therapy.
- 27. (Original) The method of claim 25, wherein the central nervous system disorder is cortical dementia, Alzheimer's disease, vascular dementia, multi-infarct dementia, pre-senile dementia, alcoholic dementia, senile dementia, memory loss or central nervous system damage resulting from stroke, ischemia or trauma.
- 28. (Original) A method for treating an ophthalmic disorder in a patient in need thereof comprising administering to the patient a therapeutically effective amount of the composition of claim 16.
- 29. (Original) A composition comprising at least one compound of claim 1 and at least one compound that donates, transfers or releases nitric oxide, or induces the production of endogenous nitric oxide or endothelium-derived relaxing factor, or is a substrate for nitric oxide synthase.
- 30. (Original) The composition of claim 29, further comprising a pharmaceutically acceptable carrier.
- 31. (Original) The composition of claim 29, wherein the compound that donates, transfers, or releases nitric oxide, or induces the production of endogenous nitric oxide or endothelium-derived relaxing factor or is a substrate for nitric oxide synthase is an S-nitrosothiol.
- 32. (Original) The composition of claim 31, wherein the S-nitrosothiol is S-nitroso-N-acetylcysteine, S-nitroso-captopril, S-nitroso-N-acetylpenicillamine, S-nitroso-homocysteine, S-nitroso-cysteine, S-nitroso-glutathione, or S-nitroso-cysteinyl-glycine.
  - 33. (Original) The composition of claim 31, wherein the S-nitrosothiol is:
  - (i)  $HS(C(R_e)(R_f))_mSNO$ ;

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- (ii)  $ONS(C(R_e)(R_f))_mR_e$ ; or
- $H_2N-CH(CO_2H)-(CH_2)_m-C(O)NH-CH(CH_2SNO)-C(O)NH-CH_2-CO_2H;$ (iii) wherein m is an integer from 2 to 20; Re and Rf are each independently a hydrogen, an alkyl, a cycloalkoxy, a halogen, a hydroxy, an hydroxyalkyl, an alkoxyalkyl, an arylheterocyclic ring. a cycloalkylalkyl, a heterocyclicalkyl, an alkoxy, a haloalkoxy, an amino, an alkylamino, a dialkylamino, an arylamino, a diarylamino, an alkylarylamino, an alkoxyhaloalkyl, a haloalkoxy, a sulfonic acid, a sulfonic ester, an alkylsulfonic acid, an arylsulfonic acid, an arylalkoxy, an alkylthio, an arylthio, a cyano, an aminoalkyl, an aminoaryl, an aryl, an arylalkyl, a carboxamido, a alkylcarboxamido, an arylcarboxamido, an amidyl, a carboxyl, a carbamoyl, an alkylcarboxylic acid, an arylcarboxylic acid, an alkylcarbonyl, an arylcarbonyl, an ester, a carboxylic ester, an alkylcarboxylic ester, an arylcarboxylic ester, a haloalkoxy, a sulfonamido, an alkylsulfonamido, an arylsulfonamido, an alkylsulfonyl, an alkylsulfonyloxy, an arylsulfonyl, an arylsulfonyloxy, a urea, a nitro, -T-Q-, or  $-(C(R_g)(R_h))_k$ -T-Q or  $R_e$  and  $R_f$  taken together are an oxo, a thial, a heterocyclic ring, a cycloalkyl group, an oxime, a hydrazone or a bridged cycloalkyl group; Q is -NO or -NO<sub>2</sub>; and T is independently a covalent bond, a carbonyl, an oxygen, -S(O)<sub>0</sub>- or - $N(R_a)R_{i-}$ , wherein o is an integer from 0 to 2,  $R_a$  is a lone pair of electrons, a hydrogen or an alkyl group; R<sub>i</sub> is a hydrogen, an alkyl, an aryl, an alkylcarboxylic acid, an arylcarboxylic acid, an alkylcarboxylic ester, an arylcarboxylic ester, an alkylcarboxamido, an arylcarboxamido, an alkylsulfinyl, an alkylsulfonyl, an alkylsulfonyloxy, an arylsulfinyl, an arylsulfonyloxy, an arylsulfonyl, a sulfonamido, a carboxamido, a carboxylic ester, an aminoalkyl, an aminoaryl, -CH<sub>2</sub>-C(T-Q)( $R_g$ )( $R_h$ ), or -( $N_2O_2$ -) •  $M^+$ , wherein  $M^+$  is an organic or inorganic cation; with the proviso that when  $R_i$  is  $-CH_2-C(T-Q)(R_g)(R_h)$  or  $-(N_2O_2-)\cdot M^+$ ; then "-T-Q" can be a hydrogen, an alkyl group, an alkoxyalkyl group, an aminoalkyl group, a hydroxy group or an aryl group; and  $R_{\text{g}}$  and  $R_{\text{h}}$  at each occurrence are independently  $R_{\text{e}}$ .
- 34. (Original) The composition of claim 29, wherein the compound that donates, transfers, or releases nitric oxide, or induces the production of endogenous nitric oxide or endothelium-derived relaxing factor, or is a substrate for nitric oxide synthase is L-arginine, L-homoarginine, N-hydroxy-L-arginine, nitrosated L-arginine, nitrosated L-arginine, nitrosated L-homoarginine, nitrosylated L-homoarginine, nitrosylated L-homoarginine, nitrosylated L-homoarginine, nitrosylated L-homoarginine), citrulline, ornithine, glutamine, lysine, an arginase inhibitor or a nitric oxide mediator.

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- 35. (Original) The composition of claim 29, wherein the compound that donates, transfers, or releases nitric oxide, or induces the production of endogenous nitric oxide or endothelium-derived relaxing factor, or is a substrate for nitric oxide synthase is:
  - (i) a compound that comprises at least one ON-O- or ON-N- group;
- (ii) a compound that comprises at least one O<sub>2</sub>N-O-, O<sub>2</sub>N-N- or O<sub>2</sub>N-S- or group;
- (iii) a N-oxo-N-nitrosoamine having the formula: R<sup>1</sup>"R<sup>2</sup>"N-N(O-M<sup>+</sup>)-NO, wherein R<sup>1</sup>" and R<sup>2</sup>" are each independently a polypeptide, an amino acid, a sugar, an oligonucleotide, a straight or branched, saturated or unsaturated, aliphatic or aromatic, substituted or unsubstituted hydrocarbon, or a heterocyclic group, and M<sup>+</sup> is an organic or inorganic cation.
- 36. (Original) The composition of claim 35, wherein the compound comprising at least one ON-O- or ON-N- group is an ON-O-polypeptide, an ON-N-polypeptide, an ON-O-amino acid, an ON-N-amino acid, an ON-O-sugar, an ON-N-sugar, an ON-O-oligonucleotide, an ON-N-oligonucleotide, a straight or branched, saturated or unsaturated, substituted or unsubstituted, aliphatic or aromatic ON-O-hydrocarbon, a straight or branched, saturated or unsaturated, substituted or unsubstituted, aliphatic or aromatic ON-N-hydrocarbon, an ON-O-heterocyclic compound or an ON-N-heterocyclic compound.
- 37. (Original) The composition of claim 35, wherein compound comprising at least one O<sub>2</sub>N-O-, O<sub>2</sub>N-N- or O<sub>2</sub>N-S- group is an O<sub>2</sub>N-O-polypeptide, an O<sub>2</sub>N-N-polypeptide, an O<sub>2</sub>N-S- polypeptide, an O<sub>2</sub>N-O-amino acid, O<sub>2</sub>N-N-amino acid, O<sub>2</sub>N-S-amino acid, an O<sub>2</sub>N-O-sugar, an O<sub>2</sub>N-N-sugar, O<sub>2</sub>N-S-sugar, an O<sub>2</sub>N-O-oligonucleotide, an O<sub>2</sub>N-N-oligonucleotide, an O<sub>2</sub>N-S- oligonucleotide, a straight or branched, saturated or unsaturated, aliphatic or aromatic, substituted or unsubstituted O<sub>2</sub>N-O-hydrocarbon, a straight or branched, saturated or unsaturated, aliphatic or aromatic, substituted or unsubstituted O<sub>2</sub>N-N-hydrocarbon, a straight or branched, saturated or unsaturated, aliphatic or aromatic, substituted or unsubstituted O<sub>2</sub>N-S-hydrocarbon, an O<sub>2</sub>N-O-heterocyclic compound, an O<sub>2</sub>N-N-heterocyclic compound or an O<sub>2</sub>N-S-heterocyclic compound.
- 38. (Original) The composition of claim 29, further comprising at least one therapeutic agent.
- 39. (Original) The composition of claim 38, wherein the therapeutic agent is a steroid, a nonsteroidal antiinflammatory compound, a cyclooxygenase-2 inhibitor, a 5-lipoxygenase (5-LO) inhibitor, a leukotriene B<sub>4</sub> receptor antagonist, a leukotriene A<sub>4</sub> hydrolase inhibitor, a 5-HT

agonist, a HMG CoA inhibitor, a H<sub>2</sub> antagonist, an antineoplastic agent, an antiplatelet agent, a thrombin inhibitor, a thromboxane inhibitor, a decongestant, a diuretic, a sedating or non-sedating anti-histamine, an inducible nitric oxide synthase inhibitor, an opioid, an analgesic, a *Helicobacter pylori* inhibitor, a proton pump inhibitor, an isoprostane inhibitor, or a mixture of two or more thereof.

- 40. (Original) A method for treating or reducing inflammation, pain or fever in a patient in need thereof comprising administering to the patient a therapeutically effective amount of the composition of claim 29 or 38.
- 41. (Original) A method for treating a gastrointestinal disorder in a patient in need thereof comprising administering to the patient a therapeutically effective amount of the composition of claim 29 or 38.
- 42. (Original) The method of claim 41, wherein the gastrointestinal disorder is an inflammatory bowel disease, Crohn's disease, gastritis, irritable bowel syndrome, constipation, ulcerative colitis, a peptic ulcer, a stress ulcer, a bleeding ulcer, gastric hyperacidity, dyspepsia, gastroparesis, Zollinger-Ellison syndrome, gastroesophageal reflux disease, a bacterial infection, short-bowel (anastomosis) syndrome, or a hypersecretory state associated with systemic mastocytosis or basophilic leukemia and hyperhistaminemia.
- 43. (Original) A method for facilitating wound healing in a patient in need thereof comprising administering to the patient a therapeutically effective amount of the composition of claim 29 or 38.
  - 44. (Original) The method of claim 43, wherein the wound is an ulcer.
- 45. (Original) A method for treating or reversing gastrointestinal, renal and/or respiratory toxicity in a patient in need thereof comprising administering to the patient a therapeutically effective amount of the composition of claim 29 or 38.
- 46. (Original) A method for treating inflammatory disease in patient in need thereof comprising administering to the patient a therapeutically effective amount of the composition of claim 29 or 38.
- 47. (Original) The method of claim 46, wherein the inflammatory disease is a cardiovascular disorder, reperfusion injury to an ischemic organ, angiogenisis, arthritis, asthma, bronchitis, premature labor, tendinitis, bursitis, an autoimmune disease, an immunological disorder, a skin-related condition, neoplasia, an inflammatory process in a disease, pulmonary

inflammation, a central nervous system disorder, allergic rhinitis, respiratory distress syndrome, endotoxin shock syndrome, a microbial infection, a bacterial-induced inflammation, a viral induced inflammation, a urinary disorder, a urological disorder, endothelial dysfunction, organ deterioration, tissue deterioration, a sexual dysfunction or activation, adhesion and infiltration of neutrophils at the site of inflammation.

- 48. (Original) The method of claim 47, wherein the neoplasia is a brain cancer, a bone cancer, an epithelial cell-derived neoplasia (epithelial carcinoma), a basal cell carcinoma, an adenocarcinoma, a gastrointestinal cancer, a lip cancer, a mouth cancer, an esophageal cancer, a small bowel cancer, a stomach cancer, a colon cancer, a liver cancer, a bladder cancer, a pancreas cancer, an ovary cancer, a cervical cancer, a lung cancer, a breast cancer, a skin cancer, a squamus cell cancer, a basal cell cancer, a prostate cancer, a renal cell carcinoma, a cancerous tumor, a growth, a polyp, an adenomatous polyp, a familial adenomatous polyposis or a fibrosis resulting from radiation therapy.
- 49. (Original) The method of claim 47, wherein the central nervous system disorder is cortical dementia, Alzheimer's disease, vascular dementia, multi-infarct dementia, pre-senile dementia, alcoholic dementia, senile dementia, memory loss or central nervous system damage resulting from stroke, ischemia or trauma.
- 50. (Original) A method for treating an ophthalmic disorder in a patient in need thereof comprising administering to the patient a therapeutically effective amount of the composition of claim 29 or 38.
  - 51. (Original) A kit comprising at least one compound of claim 1.
- 52. (Original) The kit of claim 51, further comprising (i) at least one compound that donates, transfers or releases nitric oxide, induces the production of endogenous nitric oxide or endothelium-derived relaxing factor, or is a substrate for nitric oxide synthase; (ii) at least one therapeutic agent; or (iii) at least one compound that donates, transfers or releases nitric oxide, induces the production of endogenous nitric oxide or endothelium-derived relaxing factor, or is a substrate for nitric oxide synthase and at least one therapeutic agent.
- 53. (Original) The kit of claim 52, wherein the at least one compound that donates, transfers or releases nitric oxide, induces the production of endogenous nitric oxide or endothelium-derived relaxing factor, or is a substrate for nitric oxide synthase; the at least one therapeutic agent; or the at least one compound that donates, transfers or releases nitric oxide,

induces the production of endogenous nitric oxide or endothelium-derived relaxing factor, or is a substrate for nitric oxide synthase and at least one therapeutic agent; are in the form of separate components in the kit

- 54. (Original) A kit comprising the composition of claim 16, 29 or 38.
- A compound selected from the group consisting of 55. (Previously Presented) (N-methyl-N-(2-(nitrooxy)ethyl)carbamoyl)methyl (2S)-2-(6-methoxy(2-naphthyl))propanoate; (N-ethyl-N-(2-(nitrooxy)ethyl)carbamoyl)methyl (2S)-2-(6-methoxy(2-naphthyl))propanoate; (N-methyl-N-(((2-(nitrooxy)ethyl)oxycarbonyl)methyl)carbamoyl)methyl (2S)-2-(6-methoxy(2naphthyl))propanoate; (N-methyl-N-(((3-(nitrooxy)propyl)oxycarbonyl)methyl)carbamoyl)methyl (2S)-2-(6-methoxy(2-naphthyl))propanoate; (N-methyl-N-((N-(2-(nitrooxy)ethyl)carbamoyl)methyl)carbamoyl)methyl (2S)-2-(6-methoxy(2-naphthyl))propanoate; ((2-(nitrooxy)ethyl)oxycarbonyl)methyl 2-(6-methoxy-2-naphthyl)propanoate; (N-(3-(nitrooxy)propyl)carbamoyl)methyl 2-(6-methoxy-2-naphthyl)propanoate; ((2-((2-(nitrooxy)ethyl)sulfonyl)ethyl)oxycarbonyl)methyl 2-(6-methoxy-2-naphthyl)propanoate; (2S)-2-(6-methoxy(2-naphthyl))-N-((N-(2-(nitrooxy)ethyl)carbamoyl) methoxy)propanamide; (N-methyl-N-(3-(nitrooxy)propyl)carbamoyl)methyl (2S)-2-(6-methoxy(2-naphthyl))propanoate; 2-((2S)-2-(6-methoxy(2-naphthyl))propanoyloxy)ethyl 3-(nitrooxy)-propyl ethane-1,2-dioate; N-((2S)-2-(6-methoxy(2-naphthyl))propanoylamino)-4 (nitrooxy)butanamide; or a pharmaceutically acceptable salt thereof.
- 56. (Original) A composition comprising at least one compound of claim 55 and a pharmaceutically acceptable carrier.
- 57. (Original) The composition of claim 56, further comprising (i) at least one compound that donates, transfers or releases nitric oxide, induces the production of endogenous nitric oxide or endothelium-derived relaxing factor, or is a substrate for nitric oxide synthase; (ii) at least one therapeutic agent; or (iii) at least one compound that donates, transfers or releases nitric oxide, induces the production of endogenous nitric oxide or endothelium-derived relaxing factor, or is a substrate for nitric oxide synthase and at least one therapeutic agent.
  - 58. (Original) A kit comprising at least one compound of claim 55.